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NBS SPECIAL PUBLICATION 315-5

Bibliography on the High Temperature Chemistry and Physics of Materials

JANUARY, FEBRUARY, MARCH 1970

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NATIONAL BUREAU OF STANDARDS • LEWIS M. BRANSCOMB, Director

BIBLIOGRAPHY ON THE HIGH TEMPERATURE CHEMISTRY AND PHYSICS OF MATERIALS

January, February, March
1970

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Institute for Materials Research
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Washington, D. C. 20234

Under the auspices of the
International Union of Pure and Applied Chemistry
Commission on High Temperatures and Refractories

2,
U.S. National Bureau of Standards, Special Publication 315-5,

Nat. Bur. Stand. (U.S.), Spec. Publ. 315-5, 82 pages (Apr. 1970)
CODEN: XNBSA

Issued April 1970

For sale by the Superintendent of Documents, U.S. Government Printing Office
Washington, D. C. 20402 (Order by SD Catalog No. C 13.10:315-5) Price 75 cents.

NATIONAL BUREAU OF STANDARDS
AUG 2 1970
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No.315-5
1970

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Library of Congress Catalog Card Number: 77-600413

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PREFACE

This is one of a series of current-awareness bibliographies on high-temperature chemistry and physics published under the auspices of the Commission on High Temperatures and Refractories of the International Union of Pure and Applied Chemistry. The first issue covered the period October-December 1957 and, with several changes in title, format and content, the series has appeared quarterly since that time. It acquired its present format and status as a National Bureau of Standards publication with the issue covering the fourth quarter of 1968.

It is compiled by an International Working Group on Bibliographies, attached to the Commission, consisting of about fifteen scientists. Part I is compiled by the Contributors scanning the pertinent journals published in their countries and in some cases, of adjacent countries, while the literature of other countries is covered by the editor, mainly from published lists of tables of contents. Part II is obtained by searching Chemical Abstracts.

With very few exceptions, abbreviations of journal names follow the usage of Chemical Abstracts. Journal names using non-Roman alphabets are transliterated when the original is being referenced. In those cases where translation journals are referenced its name and pagination are used.

All titles are translated into English. Translations are by the contributors, the editor, Chemical Abstracts, or those published in table of contents lists.

Bibliography on the High Temperature Chemistry and Physics of Materials

January, February, March 1970

J. J. Diamond, Editor

The bibliography consists of references to research involving temperatures above 1000 °C, which were noted by the Contributors during the above three-month period. Since this is intended primarily as a current-awareness bibliography, there is no cross-referencing or indexing. This issue contains about 750 references roughly grouped under fifteen subject headings.

Key words: Bibliography, high temperature; chemistry, high temperature; high temperature chemistry; materials properties; research at high temperatures; thermophysical properties.

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